

FUNCTIONALIZED TGF- β FUSION PROTEINS

ABSTRACT

5 This disclosure relates to TGF- β family protein fusions that display
substantial native TGF- β family protein function while also having an additional
functionality conveyed by the addition of a functionalizing peptide domain. Such
functionalizing peptide domain can be a tag peptide (*e.g.*, an epitope tag, a
purification tag, a molecular size differentiation tag, etc.) or a passenger or targeting
10 protein. Also provided are methods of making these fusions, as well as methods of
using them for diagnosis and diagnosis of various conditions, in measuring and
monitoring levels of the fusion molecule in experimental systems and subjects, and
in measuring and detecting receptor proteins.